SPAN WIRE LOADING NOTES: Span wire shall be installed with 5% sag, under dead load, and shall be adjusted on the poles to provide the proper mounting height indicated. For installation of a single span (inline) or where pole clamp positions vary by more than six inches (6") a twopiece 180 degree separation clamp shall be used. Where the pole clamp positions are within the six inch (6") value a four-piece 90 degree separation clamp shall be used. To calculate the pole clamp position for any span: TIE WIRE SAFETY RELEASE Pcp = M + H + SWhere "M" is the minimum road clearance of 16'-6"; "H" is the measured length from the bottom of the backplate to the suspension clamp of the inboard 3 section signal head and "S" is 5% of the total span Compare with other span using this pole  $\operatorname{Pcp} \subseteq \operatorname{Pcp}_2 \subseteq \operatorname{6"}$  then separate pole clamps not needed TETHER ASSEMBLY **26 6**  $\circ$ 28) (38)  $\circ$ see pole type  $\circ$ DETAIL ITEM LIST (19) luminaire (2) luminaire arm (5) link guy grip dead end TETHER ASSEMBLY WITH EXTENTION  $\frac{3}{8}$ " diameter high strength span wire NOTE: 8 black nylon cable tie Detail Items 6,7,8,10 & 12 are (10) traffic signal cable "LOADING hanger assemble generally supplied by the contractor. See Special Provision 24.00 paragraph pipe nipple signal head with backplate 2 for any deviation. Detail Items 20 3/8" turnbuckle thru 23 are field modifications by the  $3^{1}/_{2}$ "  $\times 3^{1}/_{8}$ " "S" hook (pinched close) contractor to poles supplied by the (17) strand vise ROGER A. City of Lincoln. 38  $\frac{1}{4}$ " diameter high strength tie wire NO VERTICAL LOAD FIGARD tether assembly 36 26 weather 27 ½" riser 28 2" riser weather head (35) 29 pole bolt assembly down guy pole mounted traffic signal head 37 astro bracket (38) pedestrian signal head -crown of roadway controller pedestrian push button controller strap access fitting TRAFFIC SIGNAL WOOD pipe clamp (not to exceed 5' apart with top clamp 6" to 2' below weather head and bottom clamp 2' above ground) of gth POLE INSTALLATION  $\ensuremath{\mathfrak{I}}\xspace$   $\ensuremath{\mathfrak{I}}\xspace$  %" diameter x I5' ground rod TYPICAL INSTALLATION OF SIGNAL EQUIPMENT 2-03 / CAW